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APPLICATION NO.	FILE	NG DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/774,914	74,914 02/09/2004		Tomohisa Sakurai	14243ZA	8864
23389	7590	05/19/2006		EXAM	INER
SCULLY S		JRPHY & PRESS	JUNG, WILLIAM C		
SUITE 300	CII I I D		ART UNIT	PAPER NUMBER	
GARDEN CITY, NY 11530			3768	<u> </u>	
				DATE MAILED: 05/19/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	A Hooding No.	'A				
	Application No.	Applicant(s)				
	10/774,914	SAKURAI ET AL.				
Office Action Summary	Examiner	Art Unit				
	William Jung	3768				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was preply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	l. lely filed the mailing date of this communication. O (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 09 Fe	ebruary 2004.					
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL. 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowar	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 4-12 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 4-12 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction in the original of the correction is objected to by the Examiner in the control of the correction is objected to by the Examiner in the correction is objected to by the Examiner in the correction is objected to by the Examiner in the correction in the correction is objected to by the Examiner in the correction in the correction in the correction in the correction is objected to by the Examiner in the correction in the correct	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 19122005, 09022004. Paper No(s)/Mail Date Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) Cher:						

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DETAILED ACTION

Double Patenting

1. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

2. Claims 4-12 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-17 of U.S. Patent No. 6,569,109 B2 (from here on refer to as '109). Although the conflicting claims are not identical, they are not patentably distinct from each other because '109 discloses same substantially identical invention where an ultrasound operation system comprising all limitation in claim 4 in current application where the limitations comprises the following:

Ultrasound transducer, hand piece, driving signal, an amplification circuit, detection circuit, phase comparison circuit, data transfer circuit, and arithmetic circuit.

Although the wording of the claim is slightly different the claimed structure is identical.

Claim 14 in '109 includes all limitation in claim 11 in current application in exact same manner as claim 4 with addition of a connector and discrimination circuit to accept plurality of ultrasound transducer hand piece.

Claims 5-10 in'109 correspond to claims 3-13 in current application.

Claim 16 in '109 corresponds to claim 12 in current application.

3. Claims 4-12 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-5 of U.S. Patent No. US 6,761,690 B2 (from here on refer to as '690). Although the conflicting claims are not identical, they are not patentably distinct from each other because ''690 discloses same substantially identical invention where an ultrasound operation system comprising all limitation in claim 4 in current application where the limitations comprises the following:

Ultrasound transducer, hand piece, driving signal, an amplification circuit, detection circuit, phase comparison circuit, data transfer circuit, and arithmetic circuit.

Although the wording of the claim is slightly different the claimed structure is identical.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Yamazaki et al (US 4,794,933 A) and Sakurai (US 4,965,532 A) disclose invention involving dynamic circuit and measurement of blood stream with ultrasound transducer.

Roberts (US 4,973,876) disclose ultrasound transducer with oscillator in phase lock loop configuration.

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Deitrich et al (US 5,505,203 A) and Marian et al (US 5,957,850 A) disclose modular

ultrasound transducer. More specifically, Marian et al disclose flex circuits adopted to

accommodate plurality of transducer types and Deitrich et al disclose a system where multiple

transducer is wired to a single system.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to William Jung, Ph.D. whose telephone number is 571-272-4739.

The examiner can normally be reached on Mon-Fri 8:30 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Eleni Mantis-Mercader can be reached on 571-272-4740. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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May 14, 2006

ELENI MANTIS-MERCADER

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PRIMARY EXAMINER